L Number	Hits	Search Text	DB	Time stamp
1	2	(702/\$.ccls. or 700/\$.ccls.) and (detect\$3	USPAT;	2003/04/16 14:0
_	_	with cavitation) and (operat\$3 with	US-PGPUB	
		parameter) and (pump with impeller)		
2	10	(702/\$.ccls. or 700/\$.ccls.) and (detect\$3	USPAT;	2003/04/16 14:0
		with cavitation) and (operat\$3 with	US-PGPUB	
		parameter) and (monitor\$3 with (data or		
		parameter))		0000/04/16 10 0
-	38	(detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/16 13:0
	2.4	with parameter)	US-PGPUB	2002/04/11 16.4
-	14	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11 16:4
		with parameter)) and (automatic\$4 with	US-PGPUB	
	2	detect\$3)	TICDAM.	2003/04/11 17:1
-	3	(((detect\$3 with cavitation) and (operat\$3	USPAT; US-PGPUB	2003/04/11 17:1
		with parameter)) and (automatic\$4 with	US-FGFUB	
	1.0	detect\$3)) and (characteristic with curve)	HCDAM.	2003/04/11 16:4
-	16	((detect\$3 with cavitation) and (operat\$3	USPAT; US-PGPUB	2003/04/11 16:4
		with parameter)) and (pressure with indication)	US-PGPUB	
_	9	(((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11 16:4
_	9	with parameter)) and (pressure with	US-PGPUB	2003/04/11 10.4
		indication)) and (automatic\$4 with	U3-FGFUB	•
		detect\$3)		
_	1	((((detect\$3) with cavitation) and	USPAT;	2003/04/11 16:4
		(operat\$3 with parameter)) and (pressure	US-PGPUB	2005/01/11 10.4
		with indication)) and (automatic\$4 with	OB IGIOD	
		detect\$3)) and (fluid with flow with		
		indication)		
_	1	((((detect\$3 with cavitation) and	USPAT;	2003/04/11 16:4
	_	(operat\$3 with parameter)) and (pressure	US-PGPUB	2003/01/11 10.1
		with indication)) and (automatic\$4 with	00 10102	
		detect\$3)) and (fluid with flow)		
_	2		USPAT;	2003/04/11 16:4
		with parameter)) and (fluid with flow with	US-PGPUB	
		indication)		
_	3	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11 16:4
		with parameter)) and (net with positive	US-PGPUB	
		with suction with head)		
-	1	(((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11 16:4
		with parameter)) and (net with positive	US-PGPUB	
		with suction with head)) and (alert with		
		user)		
-	7	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11 16:5
		with parameter)) and (alert with user)	US-PGPUB	
-	4	((estimat\$3 or detect\$3) with cavitation)	USPAT;	2003/04/11 17:1
		and (characteristic with curve) and (net	US-PGPUB	
		with positive with suction with head)		
-	1	((estimat\$3 or detect\$3) with cavitation)	USPAT;	2003/04/11 17:2
		and (memory with characteristic with	US-PGPUB	
		curve) and processor		
-	29	1 , ,	USPAT;	2003/04/11 17:1
		and memory and (processor or	US-PGPUB	
		microprocessor or computer or CPU) and		
		(operat\$3 with parameter)		
_	9	((USPAT;	2003/04/11 18:0
		and memory and (processor or	US-PGPUB	
		microprocessor or computer or CPU) and		
		(operat\$3 with parameter)) and (process\$4		
	4.0	with plant) and pump	HCDAT.	2002/04/11 17
_	49	cavitation and (operat\$3 with parameter) and (characteristic with curve)	USPAT; US-PGPUB	2003/04/11 17:2
_	6		USPAT;	2003/04/15 17:3
	9	and (characteristic with curve)) and	US-PGPUB	2003/04/13 1/:3
		((estimat\$3 or detect\$3) with cavitation)	OD LOEDD	
_	4		USPAT;	2003/04/11 17:2
	4).pn.	US-PGPUB	2000/04/11 1/.2
	_	(("6332110" "6317701" "6108616" "6055483"	USPAT;	2003/04/11 17:2
_	, ,).pn.) and cavitation and (operat\$3 with	US-PGPUB	2000,04,11 17.2
-				
-		_	00 10105	
-	1	parameter)	USPAT;	2003/04/11 17:2

_	5	<pre>(cavitation and (operat\$3 with parameter) and (characteristic with curve)) and</pre>	USPAT; US-PGPUB	2003/04/15 15:54
		((estimat\$3 or detect\$3) with cavitation)		!
		and memory and (processor or		
		microprocessor or computer or CPU)		
-	13	("4234925" "4319320" "4486381"	USPAT	2003/04/15 15:51
		"4490808" "4674279" "4683718"		
		"4770843" "4794544" "4823018"		
		"4994684" "5322412" "5346359"		
		"5402332").PN.		0000/04/15 15 50
-	0	(("4234925" "4319320" "4486381"	USPAT;	2003/04/15 15:53
		"4490808" "4674279" "4683718" "4770843" "4794544" "4823018"	US-PGPUB	
		"4994684" "5322412" "5346359"		Ì
		"5402332").PN.) and (suction with		
		pressure)		
_	3	1 T	USPAT;	2003/04/15 17:15
		and (characteristic with curve)) and	US-PGPUB	
		((estimat\$3 or detect\$3) with cavitation)		1
		and memory and (processor or		
		microprocessor or computer or CPU) and		
1		(suction with pressure)		
-	2		USPAT;	2003/04/15 17:15
		and (characteristic with curve)) and	US-PGPUB	
		((estimat\$3 or detect\$3) with cavitation)		
		and memory and (processor or microprocessor or computer or CPU) and		
		(suction with pressure)) and (suction with		
		fluid with flow)		
_	0	l	USPAT;	2003/04/15 17:33
		and (characteristic with curve)) and	US-PGPUB	
		((estimat\$3 or detect\$3) with cavitation)		
		and (calculat\$3 with net with position		
		with suction)		
-	1	(cavitation and (operat\$3 with parameter)	USPAT;	2003/04/16 06:56
		and (characteristic with curve)) and	US-PGPUB	
		((estimat\$3 or detect\$3) with cavitation)		
		and (net with position with suction)	HCDAM.	2003/04/15 18:12
_	0	702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (characteristic with	USPAT; US-PGPUB	2003/04/13 18:12
	1	curve) and ((estimat\$3 or detect\$3) with	U3-FGFUB	
		cavitat\$3) and (net with position with		į
		suction)		
_	10	1	USPAT;	2003/04/15 18:33
		with parameter) and (monitor\$3 with data)	US-PGPUB	
-	0	(702/\$.ccls. and cavitat\$4 and (operat\$3	USPAT;	2003/04/15 18:12
1		with parameter) and (monitor\$3 with data))	US-PGPUB	
1	[and (net with position with suction)		000010115 55 5
-	1		USPAT;	2003/04/16 12:07
		with parameter) and (monitor\$3 with data))	US-PGPUB	
_	1	and (suction with pressure) cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/15 19:06
1	1	and (monitor\$3 with data) and	US-PGPUB	2000/04/10 19.00
1	1	(characteristic with curve with		
		(voltage-current or voltage))		
-	51	(operat\$3 with parameter) and (monitor\$3	USPAT;	2003/04/15 19:02
	1	with data) and (characteristic with curve	US-PGPUB	
		with (voltage-current or voltage))		
-	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT;	2003/04/15 19:03
1	1	with data) and (characteristic with curve	US-PGPUB	
	1	with (voltage-current or voltage))) and		
		(electrical with operting with parameter)	HCDATT.	2003/04/15 19:03
-	3	((operat\$3 with parameter) and (monitor\$3 with data) and (characteristic with curve	USPAT; US-PGPUB	2003/04/15 19:03
		with (voltage-current or voltage))) and	OD EGEOD	
		(electrical with operating with parameter)		
-	1	cavitat\$4 and (operat\$3 with parameter)	USPAT;	2003/04/15 19:06
1	1	and (characteristic with curve with	US-PGPUB	
		(voltage-current or voltage))		
		· · · · · · · · · · · · · · · · · · ·		

		_		
_	2	(monitor\$3 with system) and	USPAT;	2003/04/16 09:10
		(characteristic with curve with	US-PGPUB	
		(voltage-current or voltage)) and		
		(electrical with operating with parameter)		
-	152	(monitor\$3 with system) and	USPAT;	2003/04/16 07:27
		(characteristic with curve with	US-PGPUB	
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)		
-	19	• • •	USPAT;	2003/04/16 07:02
		(characteristic with curve with	US-PGPUB	
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		i
	1	pump	110DAM.	2002/04/16 07:02
_	11	(((monitor\$3 with system) and	USPAT; US-PGPUB	2003/04/16 07:02
		(characteristic with curve with	US-PGPUB	
		<pre>(voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and</pre>		1
		pump) and parameter		
	9	((((monitor\$3 with system) and	USPAT;	2003/04/16 07:04
-		(characteristic with curve with	US-PGPUB	2003/04/10 07:04
		(voltage-current or voltage or V-A)) and	05 10105	
		(high with frequency fluctuations)) and		
]	pump) and parameter) and operating		
_	1	(((((monitor\$3 with system) and	USPAT;	2003/04/16 07:04
		(characteristic with curve with	US-PGPUB	
1		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
		pump) and parameter) and operating) and		
:		(high with frequency with fluctuations)		
-	2	(((((monitor\$3 with system) and	USPAT;	2003/04/16 07:26
		(characteristic with curve with	US-PGPUB	
		(voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and		
	1	pump) and parameter) and operating) and		
		(frequency with fluctuations)		
-	4		USPAT;	2003/04/16 07:18
-		(characteristic with curve with	US-PGPUB	· ·
		(voltage-current or voltage or V-A)) and		
		(high with frequency with fluctuations)		
-	3	1 1 1 1	USPAT;	2003/04/16 07:09
		(characteristic with curve with	US-PGPUB	
		(voltage-current or voltage or V-A)) and		
		(high with frequency with fluctuations))		
	1.6	and pump	HCDAT.	2003/04/16 09:51
-	16	(monitor\$3 with system) and (characteristic with curve) and	USPAT;	2003/04/18 09:31
		(voltage-current or voltage or V-A) and	US-PGPUB	
		(high with frequency with fluctuations)		
_	5	· •	USPAT;	2003/04/16 07:24
		(characteristic with curve) and	US-PGPUB	
		(voltage-current or voltage or V-A) and		
		(high with frequency with fluctuations))		
		and (curve with (voltage-current or		
1		voltage or V-A))		0000/01/20 == 1=
-	25	1 12 1	USPAT;	2003/04/16 07:28
1_	1	(voltage-current or voltage or V-A))	US-PGPUB USPAT;	2003/04/16 07:26
-	1	((pump with cavitat\$3) and (curve with (voltage-current or voltage or V-A))) and	USPAT; US-PGPUB	2003/04/10 0/:20
		(frequency with fluctuations)	00 10106	
-	1		USPAT;	2003/04/16 07:27
1	1	(characteristic with curve with	US-PGPUB	
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
		(pump with cavitat\$3)		
-	11		USPAT;	2003/04/16 07:43
		V-A)) and (high with frequency with	US-PGPUB	
	-	fluctuations) and pump	HCDAM.	2003/04/16 07:30
-	5	((curve with (voltage-current or voltage or V-A)) and (high with frequency with	USPAT; US-PGPUB	2003/04/16 07:30
		fluctuations) and pump) and parameter	03 19100	
L	1	Tractactons, and pamp, and parameter		<u> </u>

_	1	(curve with (voltage-current or voltage or	USPAT;	2003/04/16 07:39
		V-A)) and (high with frequency with	US-PGPUB	
		fluctuations) and (electrical with		!
		operating with parameter)		
_	0	(monitor\$3 with rountine) and (operat\$4	USPAT;	2003/04/16 09:12
		with parameter) and (expert with engine)	US-PGPUB	
		and (neural with network)		
-	6		USPAT;	2003/04/16 09:33
		with parameter) and (expert with engine)	US-PGPUB	
		and (neural with network)) and cavitat\$3		
_	7	((monitor\$3 with routine) and (operat\$4	USPAT;	2003/04/16 09:17
		with parameter) and (expert with engine)	US-PGPUB	
ļ		and (neural with network)) and pump		
_	10	(monitor\$3 with routine) and (operat\$4	USPAT;	2003/04/16 09:32
1		with parameter) and (expert with engine)	US-PGPUB	
		and (neural with network)		
_	47		USPAT;	2003/04/16 09:50
		parameter) and (expert with engine) and	US-PGPUB	
		(neural with network)		
_	9		USPAT;	2003/04/16 10:28
1		with parameter) and (expert with engine)	US-PGPUB	
		and (neural with network)) and cavitat\$3		
1	l			

- 1	164	("3096434"	1 "3404264"	l "3468164"	1	USPAT	2003/04/16 09:48
		"3590370"	"3688190"		ı		2003/04/10 03.40
		"3701280"	"3973184"	"RE29383"	, I		
		"4058975"	"4099413"	"4102199"	i I		
		"4122719"	"4250490"	•	' 		
		"4399824"	"4517468"	"4530234"	! :		
		"4571689"	"4635214"	"4642782"			
		"4644479"	"4649515"				
		"4736367"	"4777585"	"4831564"	! 		
		"4841286"	"4873655"				·
		"4924418"	"4934196"				
		"4964125" I	"4988990"				
		"5005142"	"5043862"				
		"5067099"	"5081598"	"5089984"			
		"5098197" I	"5099436"	"5103409"			
		"5111531"	"5121467"				
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		"5137370" I	"5130936" "5142612"	"5134574"			
				"5143452"			
		"5148378"	"5167009"	"5175678"			
		"5193143"	"5197114"	"5197328"			
		"5212765"	"5214582"	"5224203"			
		"5228780"	"5235527"	"5265031"			
		"5265222"	"5269311"	"5274572"			
		"5282131"	"5282261"	"5293585"			
		"5303181"	"5305230"	"5311421"			
		"5317520"	"5327357"	"5333240"			
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		"5361628"	"5365423"	"5367612"			
		"5384699"	"5386373"	"5394341"			
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		"5430642"	"5440478"	"5442639"			
	İ	"5467355"	"5469070"	"5469156"			
		"5469735"	"5481199"	"5483387"			
		"5485753"	"5486996"	"5488697"			
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	1	"5511004"	"5548528"	"5561599"			
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	•	"5598521"	"5600148"	"5623605"			
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		"5700090"	"5703575"	"5704011"			ł
		"5705978"	"5708585"	"5713668"			
	- 1	"5719378"	"5741074"	"5742845"			İ
	1	"5746511"	"5752008"	"5764891"			
		"5781878"	"5801689"	"5805442"			
		"5828567"	"5829876"	"5848383"			
		"5859964"	"5876122" j	"5887978" j			
		"5923557"	"5924086"	"5926778"			
		"5940290"	"5956663" j	"5970430" j			
		"6016706"	"6017143"	"6045260" I			
		"6047220"	"6047222"	"6119047"			
		"6192281"	"6195591"				
i		"6263487"	"6298377").				[

	0	(("3096434"	1 "2404264"	1 1 11246016411		1	10000 100 100
	1	"3590370" I	"3404264" "3688190"		1	USPAT;	2003/04/16 09:48
		"3701280"	"3973184"	"3691842" "RE29383"		US-PGPUB	
		"4058975"	"4099413"	"4102199"			
		"4122719"	"4250490"	•			
		"4399824"	"4517468"				
		"4571689"	"4635214"	"4642782"			
		"4644479"	"4649515"	"4707796"			
		"4736367"	"4777585"	"4831564"			
		"4841286"	"4873655"	"4907167"			
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		"5005142"	"5043862"	"5053815"			
		"5067099"	"5081598"	"5089984"			
		"5098197"	"5099436"	"5103409"			1
ŀ		"5111531"	"5121467"	"5122794"			
		"5122976"	"5130936"	"5134574"			
1		"5137370"	"5142612"	"5143452"			
ļ		"5148378" "5193143"	"5167009"	"5175678"			
			"5197114"	"5197328"			
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		"5347843"	"5349541"	"5357449"		`	
		"5361628"	"5365423"	"5367612"			
		"5384699"	"5386373"	"5394341"			
		"5394543"	"5404064"	"5408406"			
	İ	"5408586"	"5414645"	"5419197"			
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		"5489831"	"5495769"	"5510799"			
		"5511004"	"5548528"	"5561599"			
j		"5570300"	"5572420"	"5573032"			
		"5598521" "5637802"	"5600148" "5640491"	"5623605"			
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		"5675504"	"5675724" I	"5680109"			
		"5700090"	"5703575" I	"5704011"			
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		"5781878"	"5801689"	"5805442"			
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		"5859964"	"5876122"	"5887978"			
		"5923557"	"5924086"	"5926778"		İ	
		"5940290"	"5956663"				
		"6016706"	"6017143"				
		"6047220"	"6047222"	"6119047"			
		"6192281"	"6195591"	•			
				PN.) and (exp			
_	1.0			l with netwo:		110010	0000/01/15
-	19) and (operat		USPAT;	2003/04/16 09:50
				pert with end	gine)	US-PGPUB	
_	3			k)) and pump em) and (ope:	rateA	ticDvm.	2002/04/16 10 41
	ا ع			em) and (ope: pert with end		USPAT; US-PGPUB	2003/04/16 10:41
				k)) and pump		US-rGFUB	
			th paramete:		, unu		
		(characteris	stic with con	rve)			
_	19			m) and (opera	at\$4	USPAT;	2003/04/16 12:57
				pert with end		US-PGPUB	
				k)) and pump			
		(operat\$4 wi					
-	2		vith system)	and (alert v	vith	USPAT;	2003/04/16 10:40
		cavitat\$3)				US-PGPUB	
	·						

			-	
-	2	(alert with cavitat\$3)	USPAT;	2003/04/16 10:33
-	95	(monitor\$3 with system) and alert and	US-PGPUB USPAT;	2003/04/16 10:41
<u> </u>	_	cavitat\$3	US-PGPUB	2003/04/16 10:41
-	8	((monitor\$3 with system) and alert and	USPAT;	2003/04/16 10:41
_	3	cavitat\$3) and (characteristic with curve (702/\$.ccls. and cavitat\$4 and (operat\$)		0000/04/15 10 00
		with parameter) and (monitor\$3 with data	USPAT;	2003/04/16 12:08
		and (characteristic with curve)	77 20202	
_	2	(((monitor\$3 with system) and (operat\$4	USPAT;	2003/04/16 12:58
		with parameter) and (expert with engine) and (neural with network)) and pump) and	US-PGPUB	
		(pump with impeller)		
-	0	(("3096434" "3404264" "3468164"	USPAT;	2003/04/16 12:59
		"3590370" "3688190" "3691842" "3701280" "3973184" "RE29383"	US-PGPUB	
		"4058975" "4099413" "4102199"		
		"4122719" "4250490" "4337516"		
		"4399824" "4517468" "4530234"		
		"4571689" "4635214" "4642782" "4644479" "4649515" "4707796"		
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		"4924418" "4934196" "4939753"	•	
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		"5148378" "5167009" "5175678"		
		"5193143" "5197114" "5197328"		
		"5212765" "5214582" "5224203" "5228780" "5235527" "5265031"		
		"5228780" "5235527" "5265031" "5265222" "5269311" "5274572"		
		"5282131" "5282261" "5293585"		
		"5303181" "5305230" "5311421"		
		"5317520" "5327357" "5333240" "5347843" "5349541" "5357449"		
		"5347843" "5349541" "5357449" "5361628" "5365423" "5367612"		
		"5384699" "5386373" "5394341"		
	1	"5394543" "5404064" "5408406"		
	1	"5408586" "5414645" "5419197" "5430642" "5440478" "5442639"		
		"5467355" "5469070" "5469156"		
		"5469735" "5481199" "5483387"		
		"5485753" "5486996" "5488697" "5489831" "5495769" "5510700"		
		"5489831" "5495769" "5510799" "5511004" "5548528" "5561599"		
		"5570300" "5572420" "5573032"		
		"5598521" "5600148" "5623605"		
		"5637802" "5640491" "5661668" "5665899" "5669713" "5671335"		
		"5665899" "5669713" "5671335" "5675504" "5675724" "5680109"		
		"5700090" "5703575" "5704011"		
		"5705978" "5708585" "5713668"		
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		"5828567" "5829876" "5848383"		
		"5859964" "5876122" "5887978"		
		"5923557" "5924086" "5926778" "5940290" "5956663" "5970430"		
		"6016706" "6017143" "6045260"		
		"6047220" "6047222" "6119047"		
		"6192281" "6195591" "6199018"		
		"6263487" "6298377").PN.) and (pump witingeller)	th	
L		±mpv±±v±/		

			_	
_	with pa	or\$3 with system) and (operat\$4 arameter) and (expert with engine aral with network)) and (pump wi	USPAT;) US-PGPUB	2003/04/16 12:59
-	impelle 1 ((monit (charac (voltag	er) or\$3 with system) and steristic with curve with e-current or voltage or V-A)) and	USPAT; US-PGPUB	2003/04/16 12:59
_	(pump w 6 (detect	ith frequency fluctuations)) and ith impeller) \$3 with cavitation) and (operats; rameter) and (pump with impeller)	3 USPAT:	2003/04/16 14:03